

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

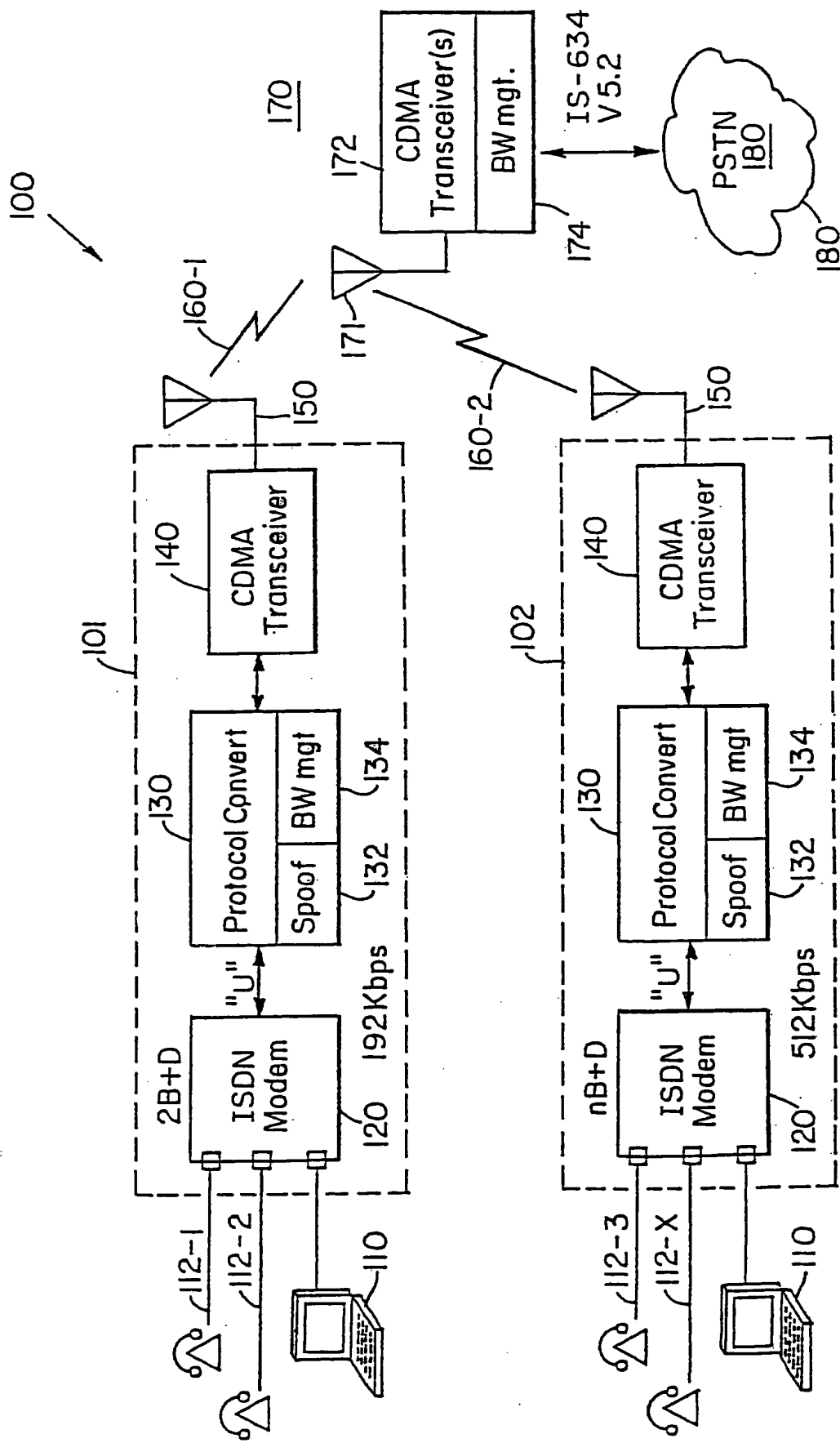


FIG. 1

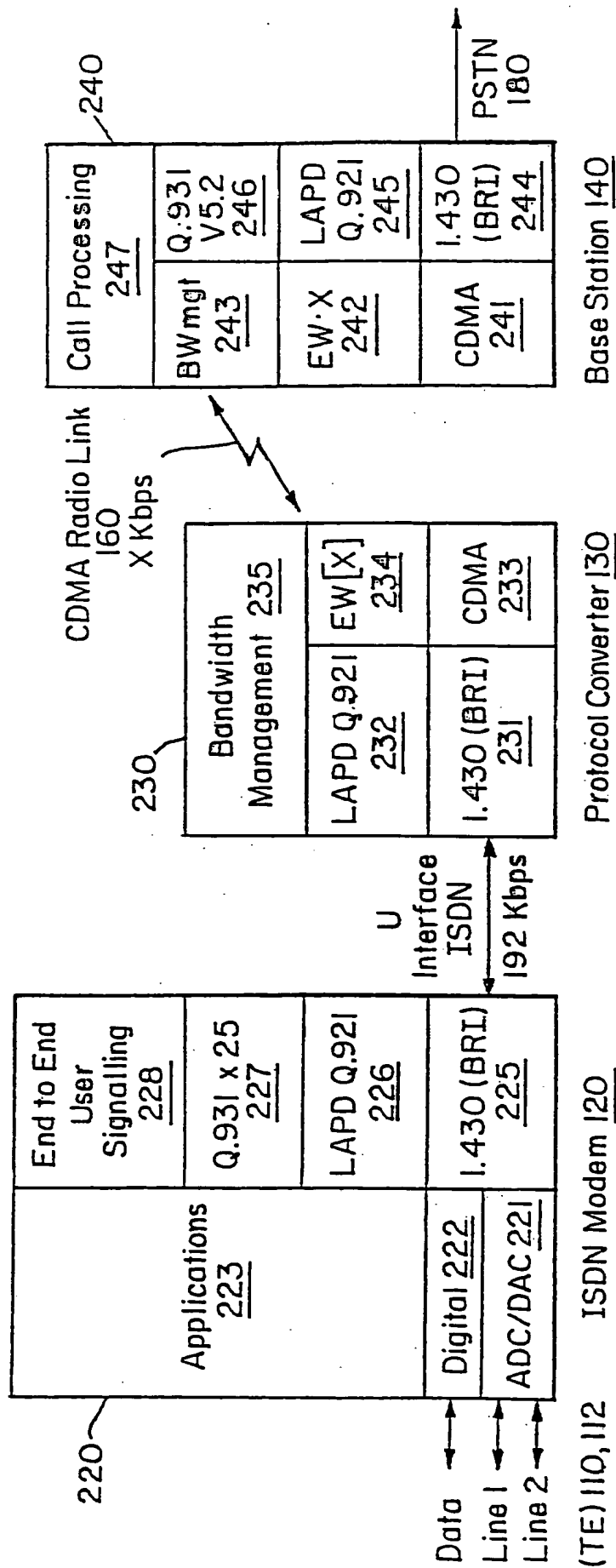


FIG. 2



FIG. 3

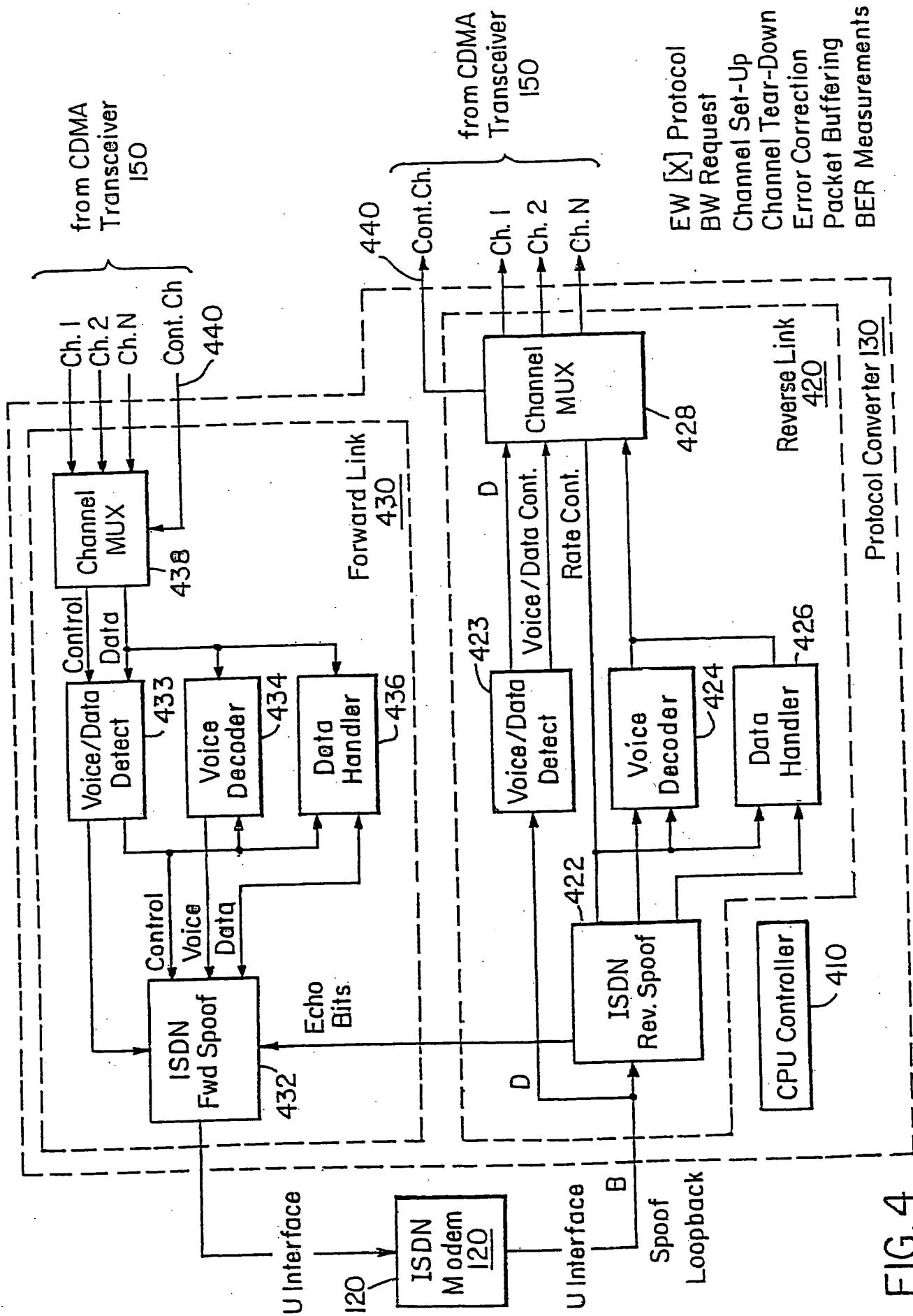


FIG. 4

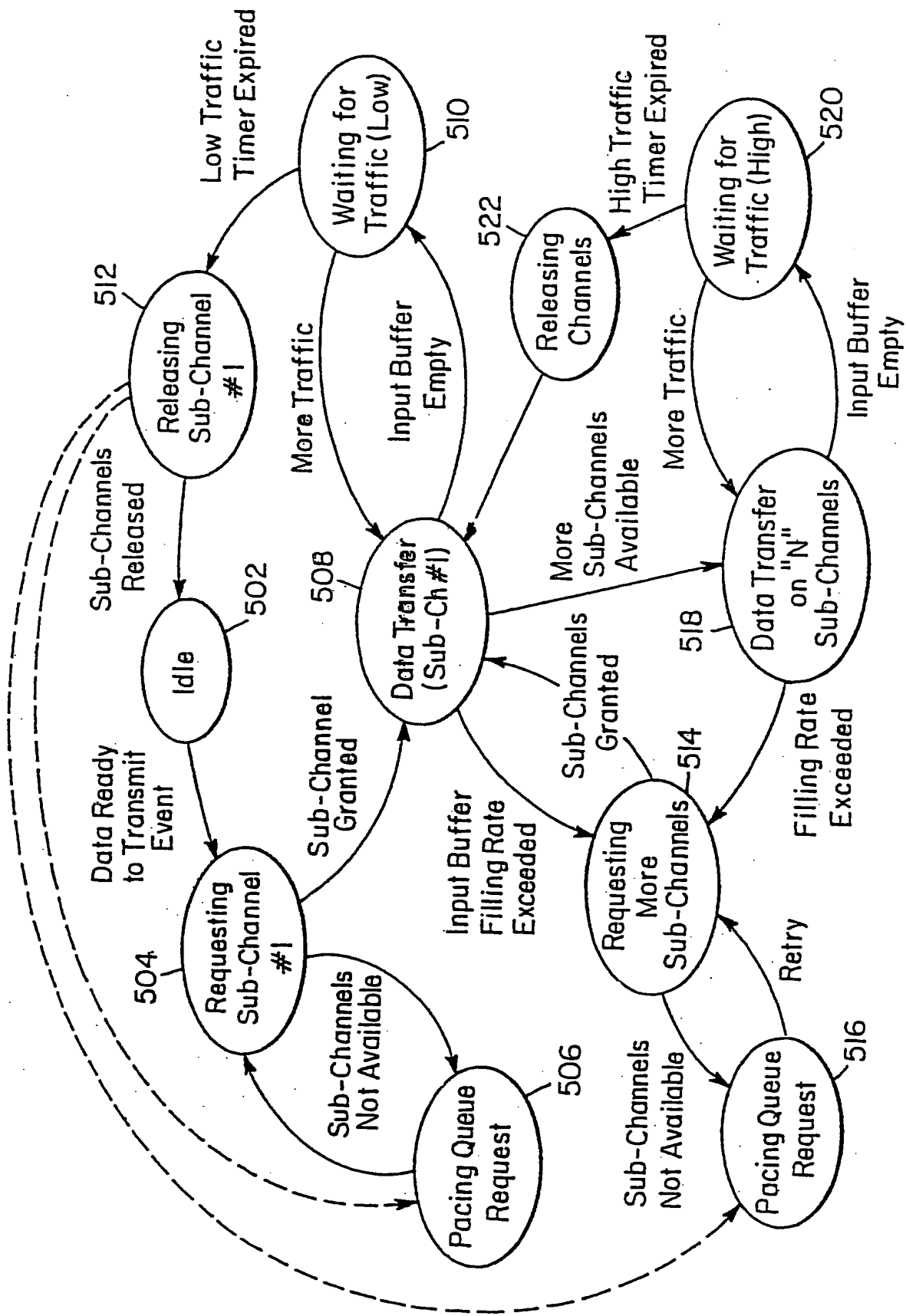


FIG. 5

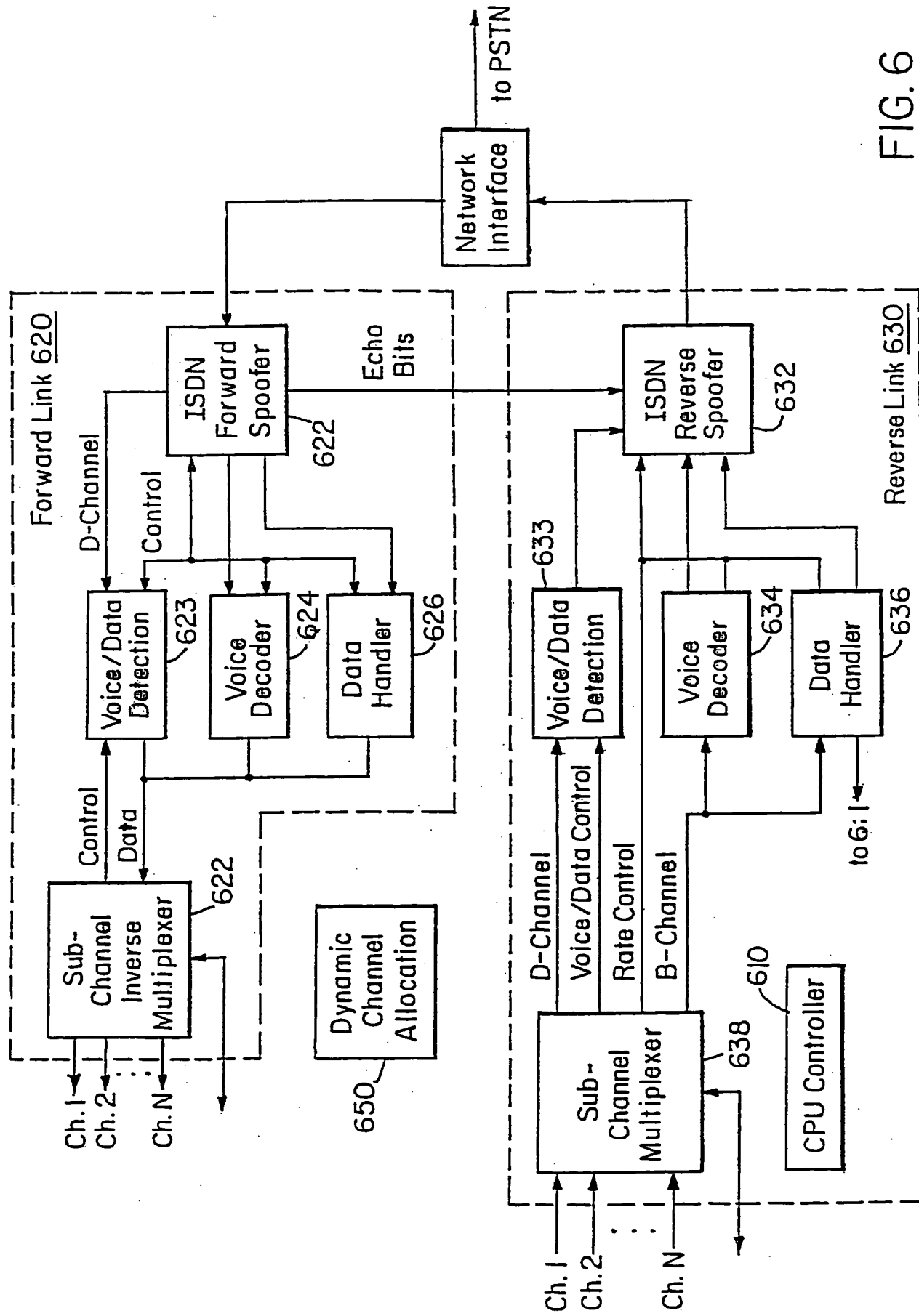


FIG. 6

MAIN:

DO Always  
    Process Port Request  
    Process Bandwidth Release  
    Process Bandwidth Requests  
    Locate and tear down unused sub-channels  
ENDDO

} 710

PORT REQUEST:

Make reservation in least utilized sub-band  
    Reservation decision based on % of available Sub-Channels to  
    assign (Based on parallel user BW vs. throughput efficiency)  
IF reservation was made  
    Send frequency and code assignment  
    Update allocations  
ELSE  
    Add port request to port queue  
    Calculate expected wait time  
    Send wait message to user  
ENDIF

} 720

BANDWIDTH RELEASE:

Notify channel-bonding function  
Return frequency and code to available pool  
Update radio record

} 730

BANDWIDTH REQUEST:

Select highest priority with lowest bandwidth utilization,  
including need-allocation gap  
Check other sub-bands for greatest available sub channels  
    (Switch sub-bands if difference in sub-band space  
    exceeds payback threshold)  
Assign sub channels based on need, priority, availability  
Notify channel bonding function  
Update radio record

} 740

FIG. 7